

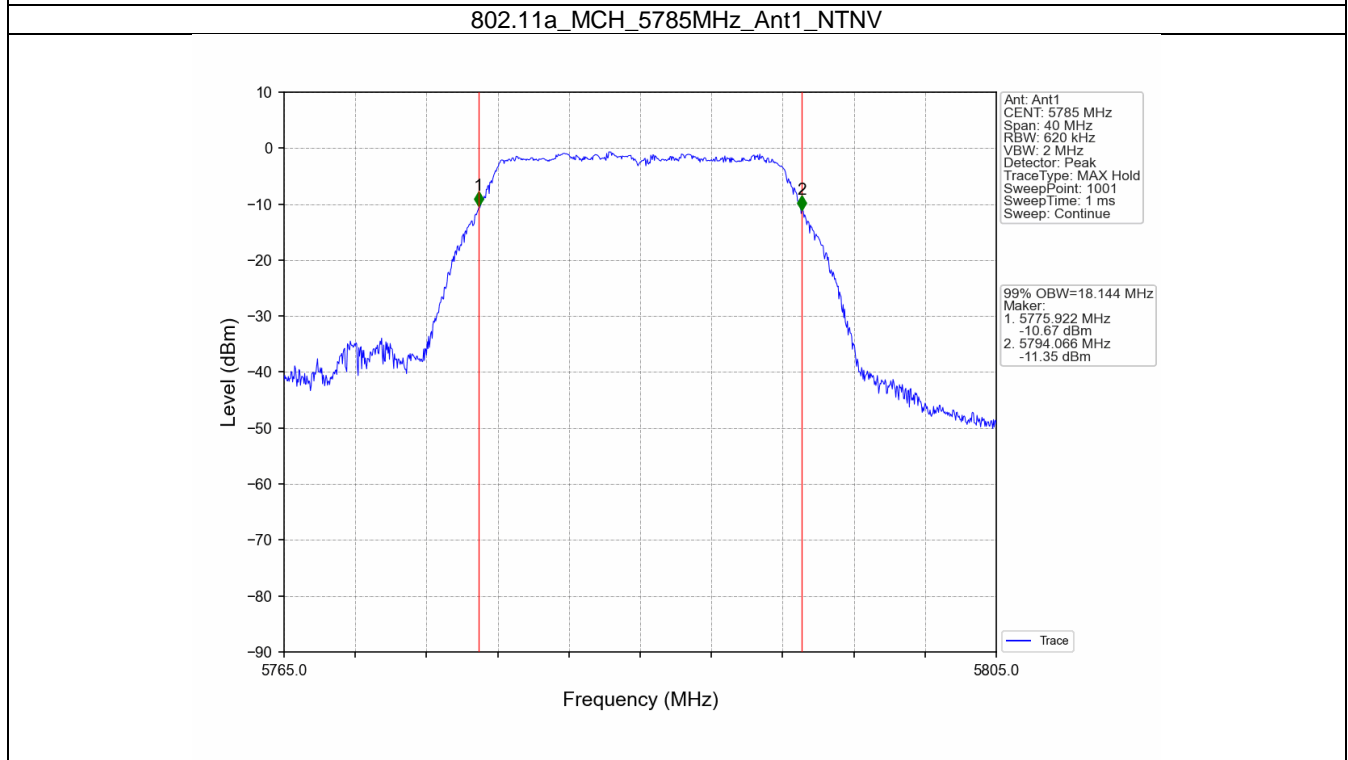
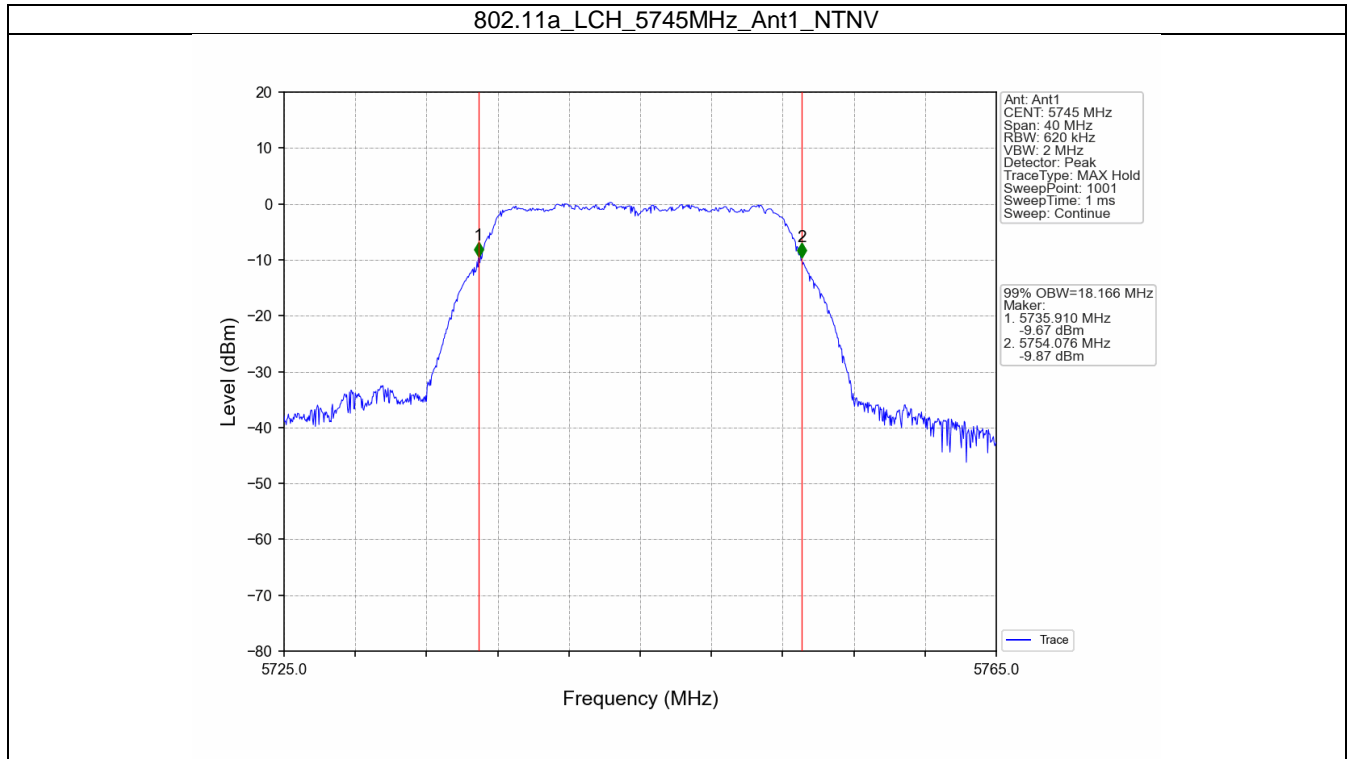
## 1. Bandwidth

## 1.1 OBW

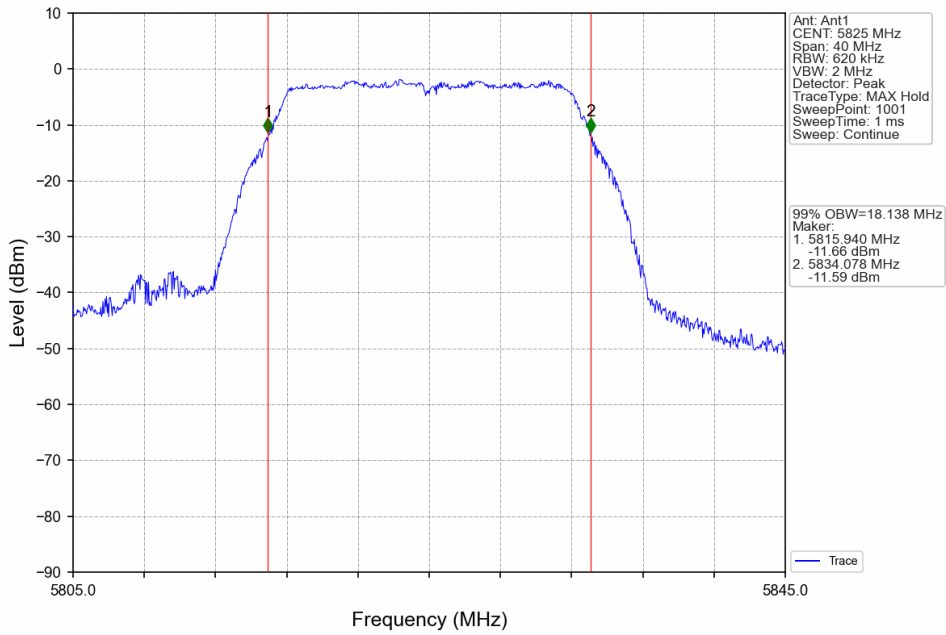
## 1.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	18.166	/	Pass
		5785	1	18.144	/	Pass
		5825	1	18.138	/	Pass
802.11n (HT20)	SISO	5745	1	18.752	/	Pass
		5785	1	18.629	/	Pass
		5825	1	18.900	/	Pass
802.11n (HT40)	SISO	5755	1	36.915	/	Pass
		5795	1	36.953	/	Pass

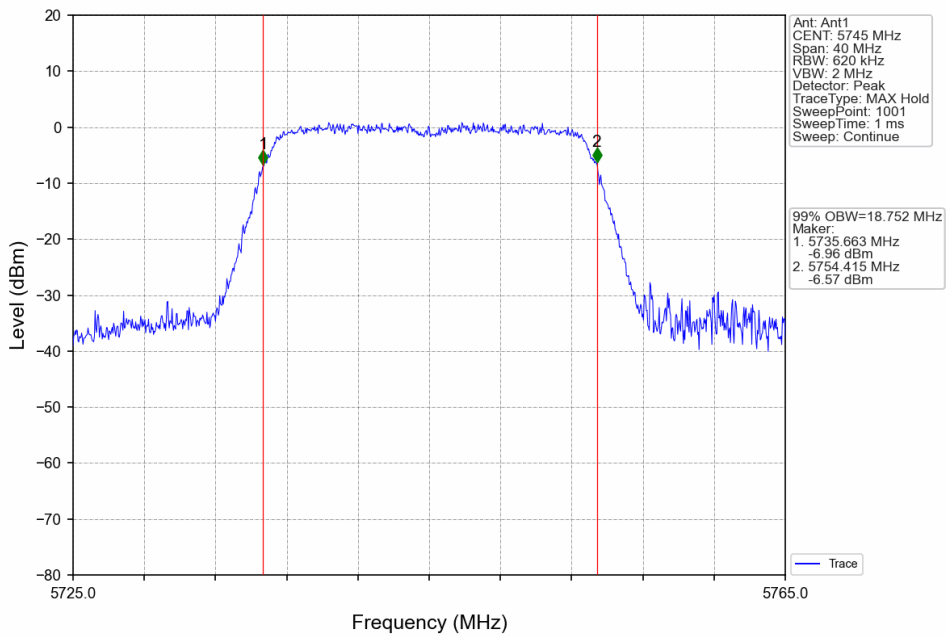
1.1.2 Test Graph



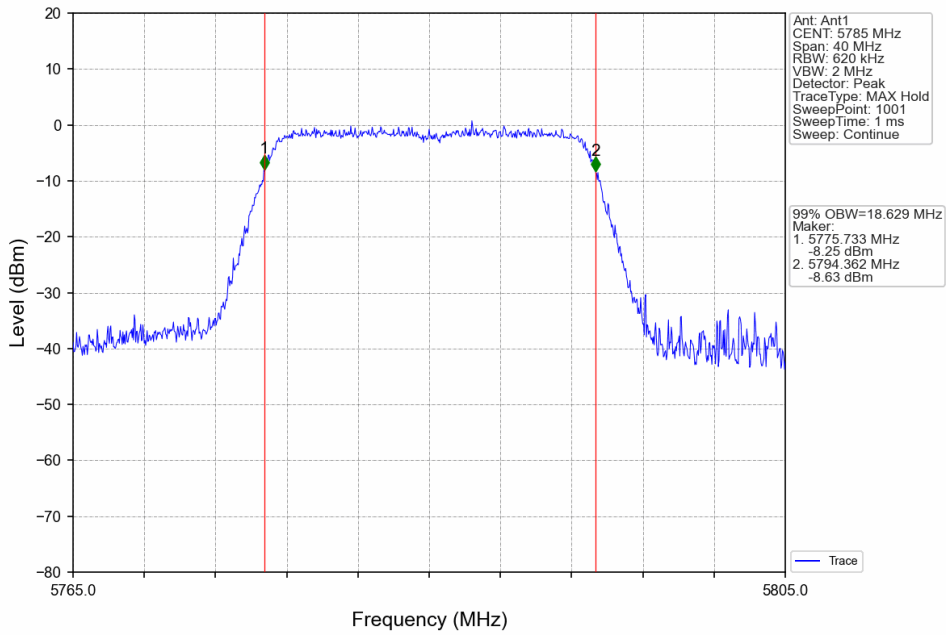
802.11a\_HCH\_5825MHz\_Ant1\_NTNV



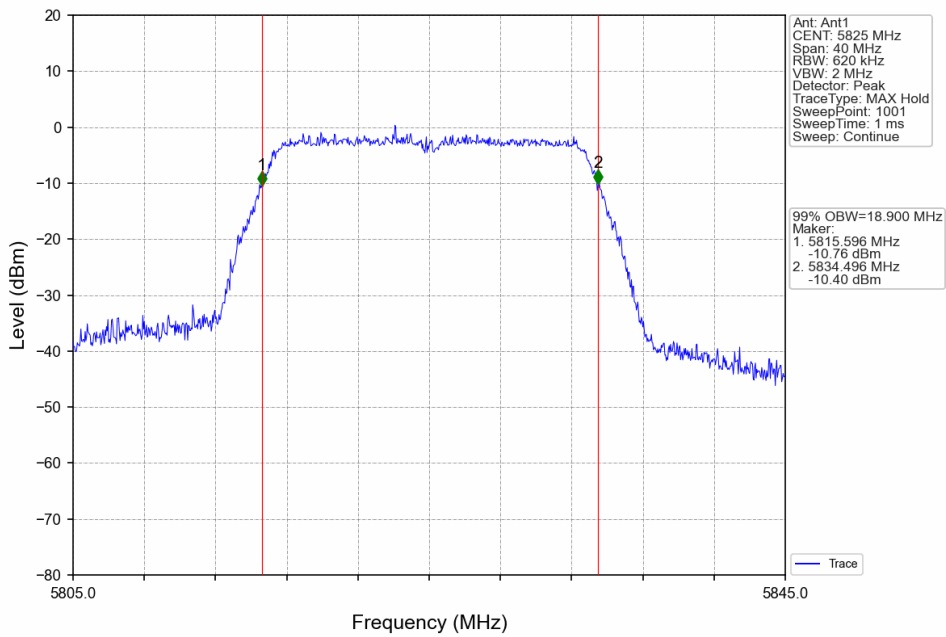
802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



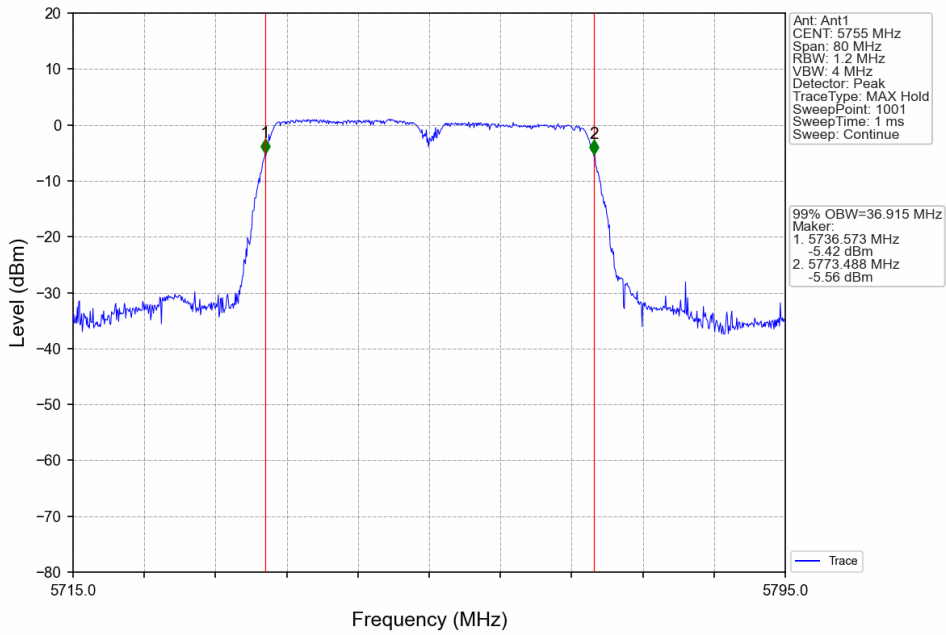
802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV



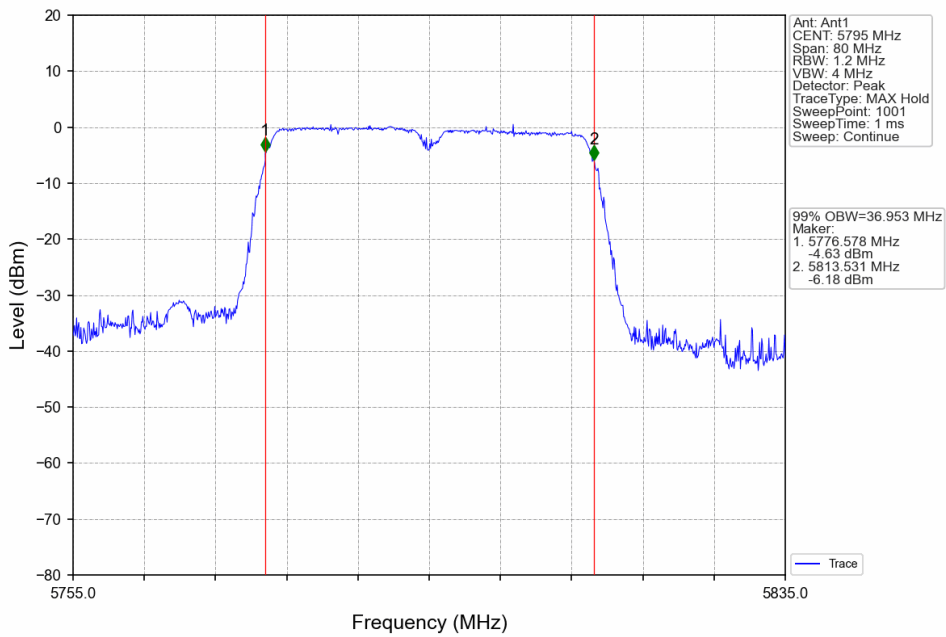
802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV



802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV

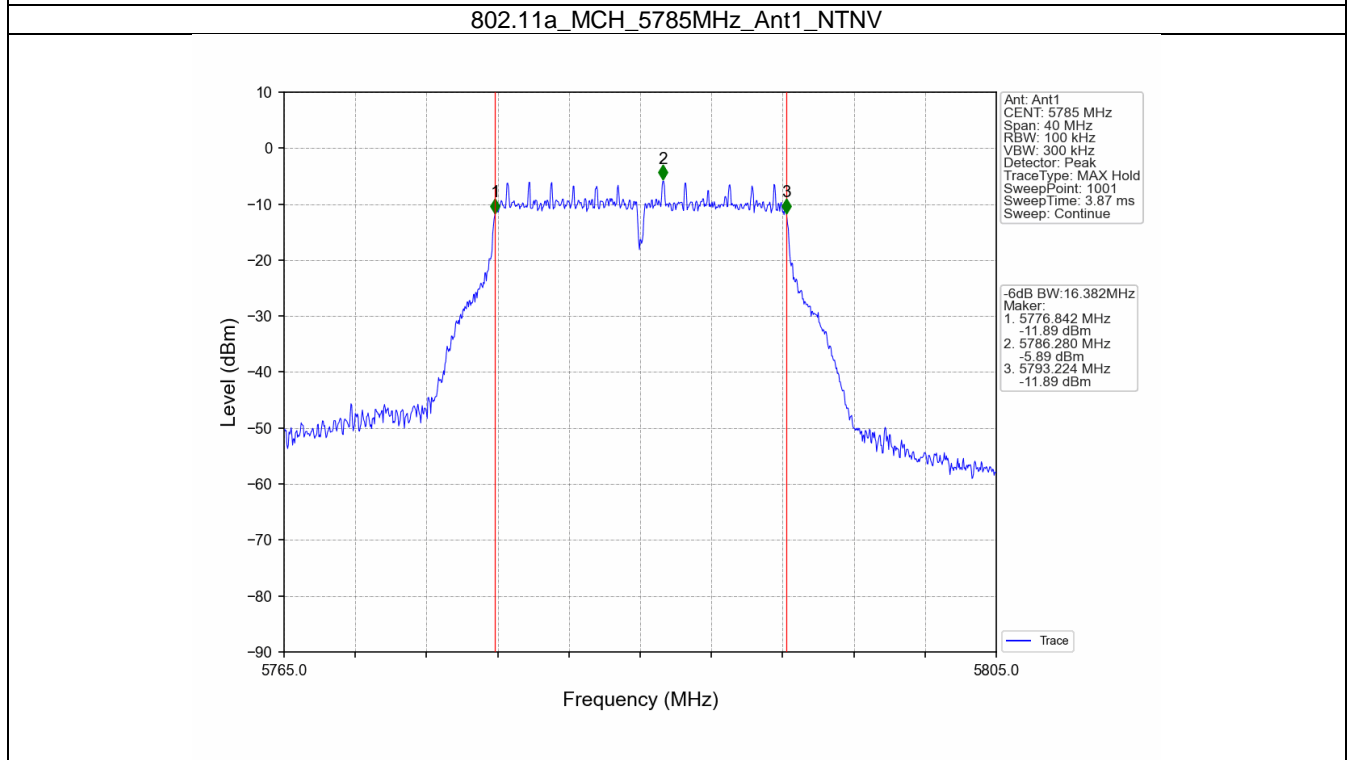
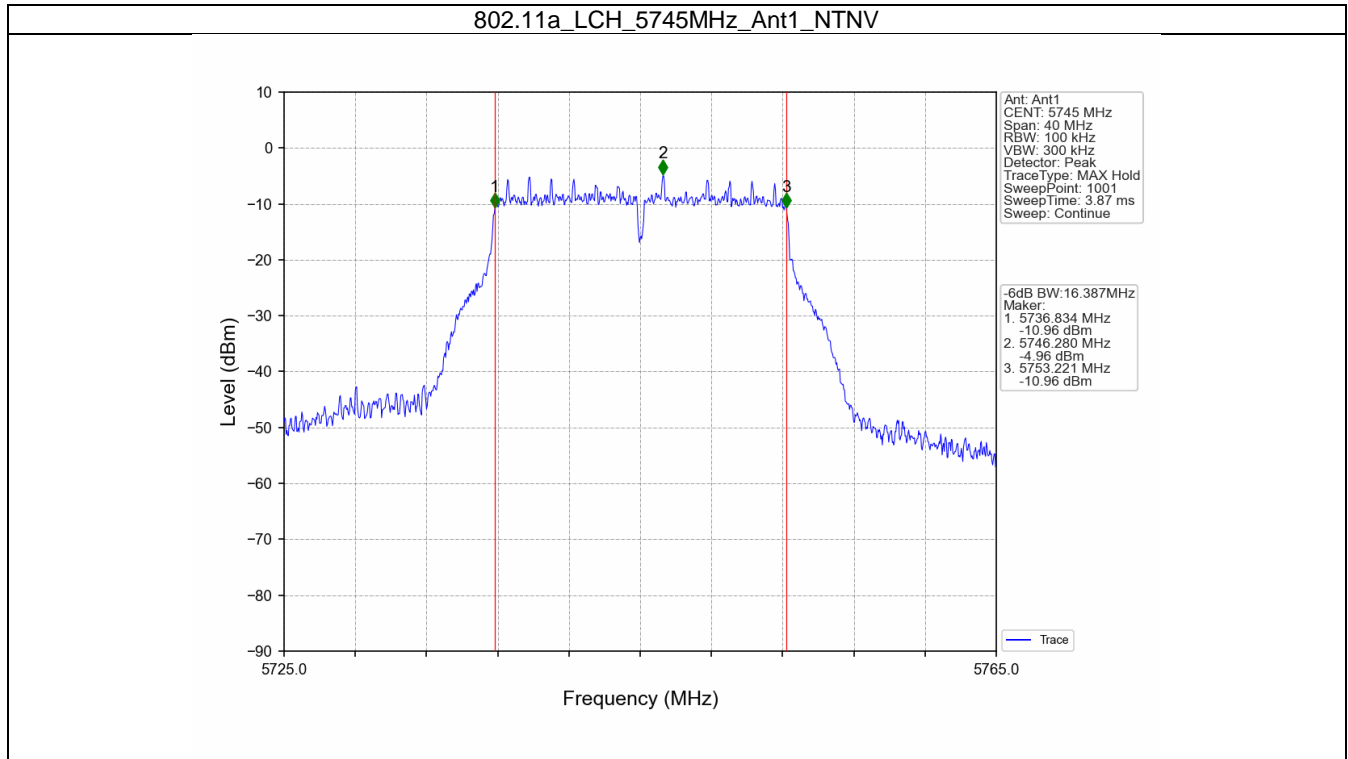


## 1.2 6dB BW

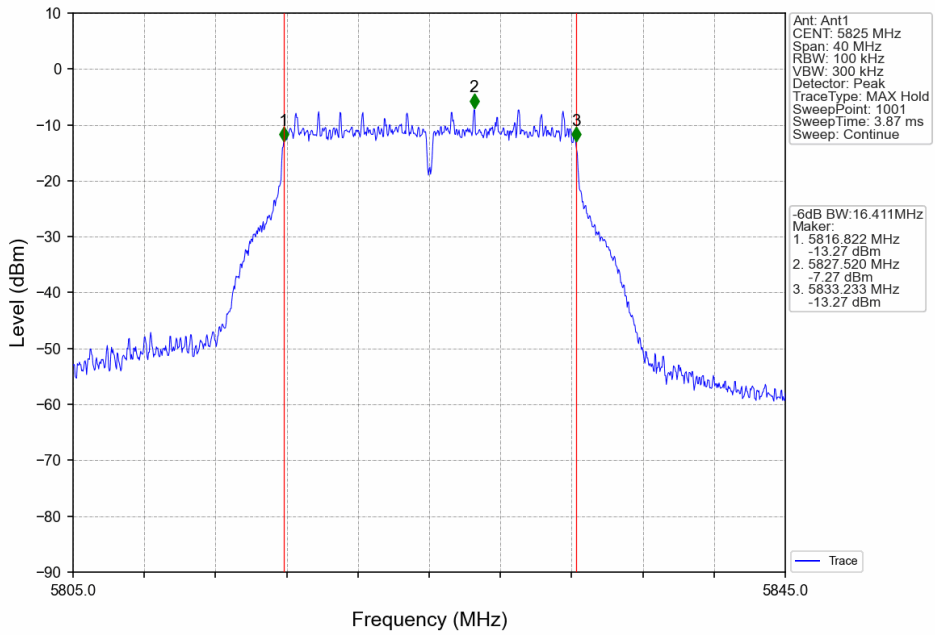
## 1.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	16.387	>=0.5	Pass
		5785	1	16.382	>=0.5	Pass
		5825	1	16.411	>=0.5	Pass
802.11n (HT20)	SISO	5745	1	17.658	>=0.5	Pass
		5785	1	17.643	>=0.5	Pass
		5825	1	17.636	>=0.5	Pass
802.11n (HT40)	SISO	5755	1	36.377	>=0.5	Pass
		5795	1	36.355	>=0.5	Pass

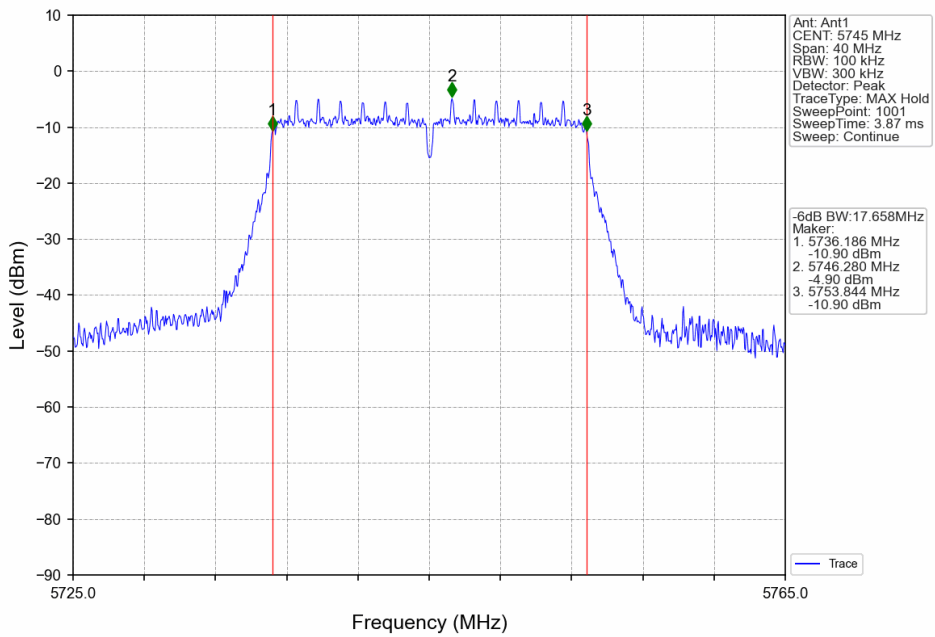
1.2.2 Test Graph



802.11a\_HCH\_5825MHz\_Ant1\_NTNV

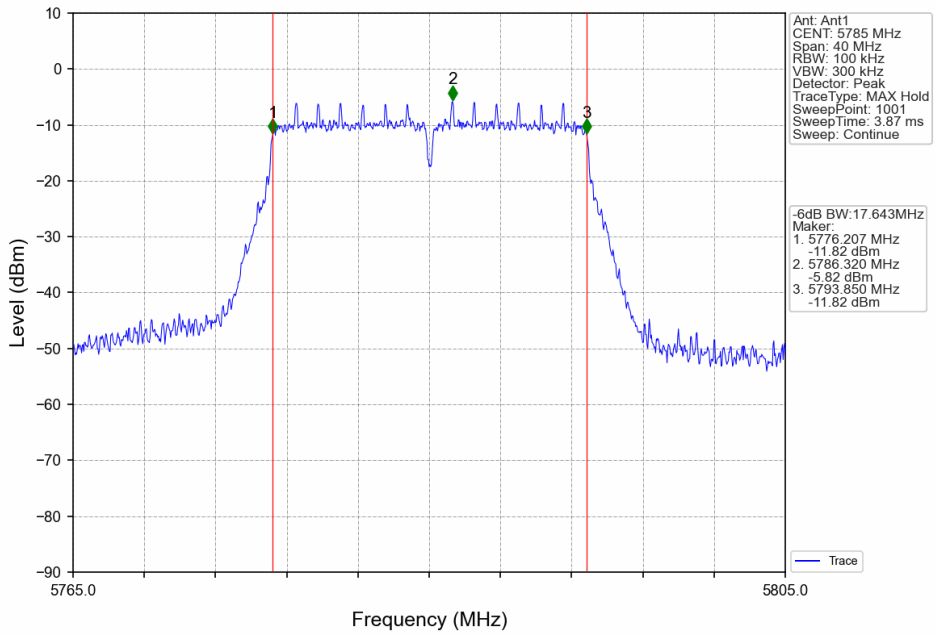


802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV

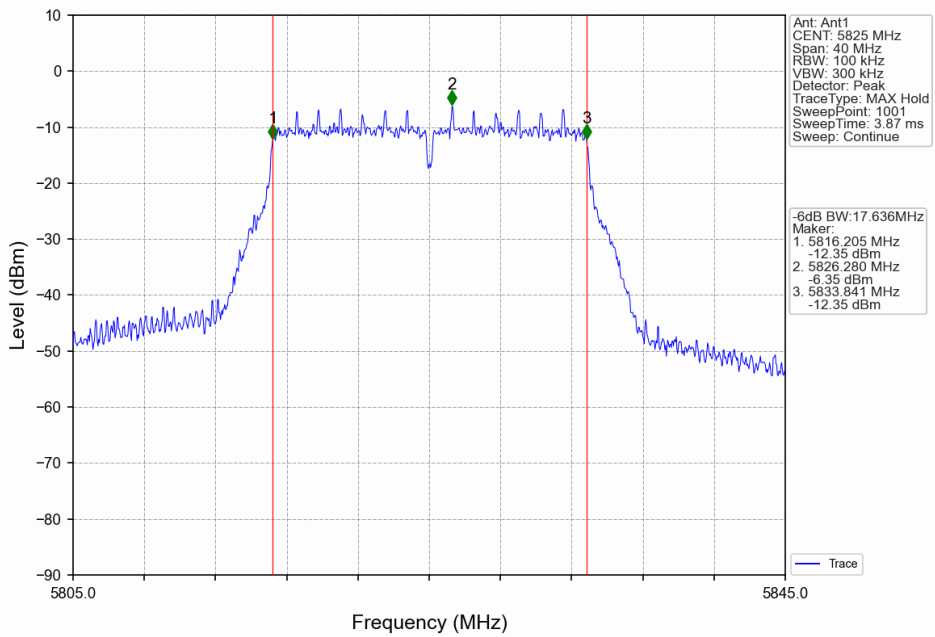




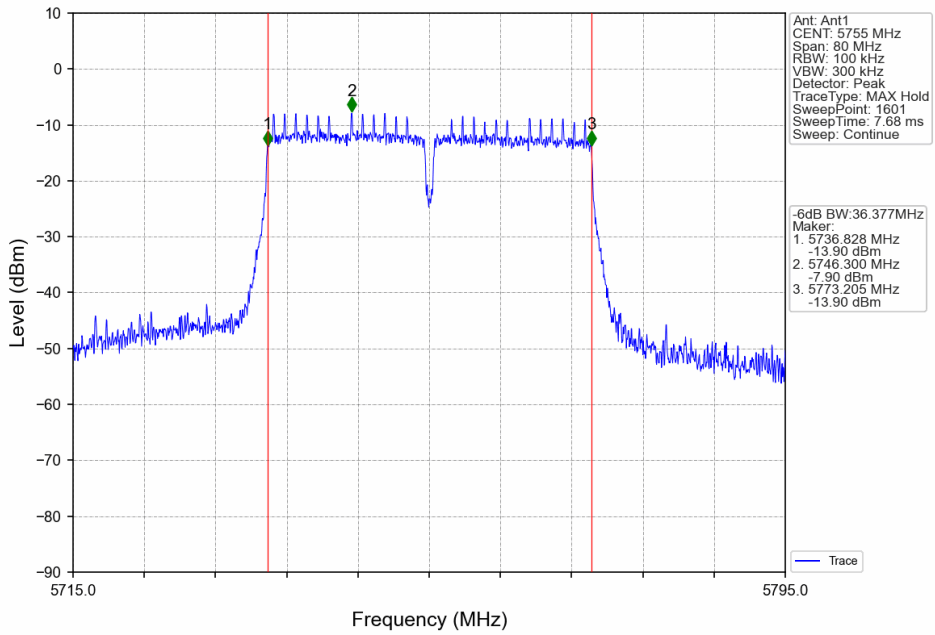
802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV



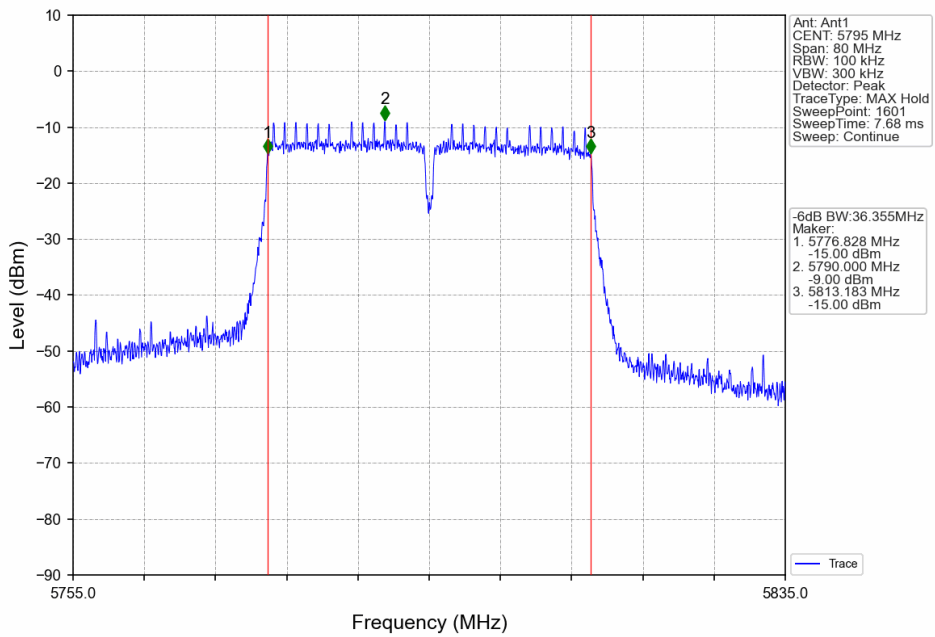
802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV



802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



## 2. Maximum Conducted Output Power

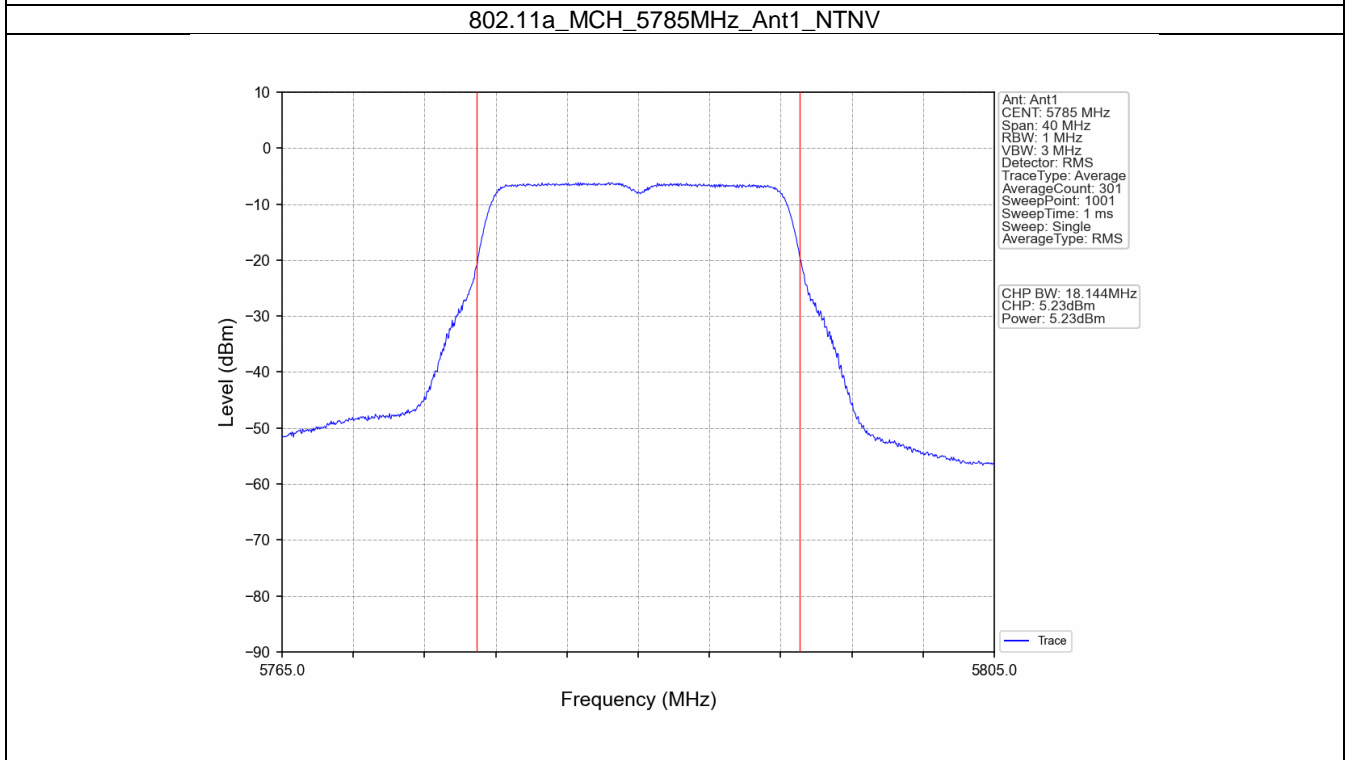
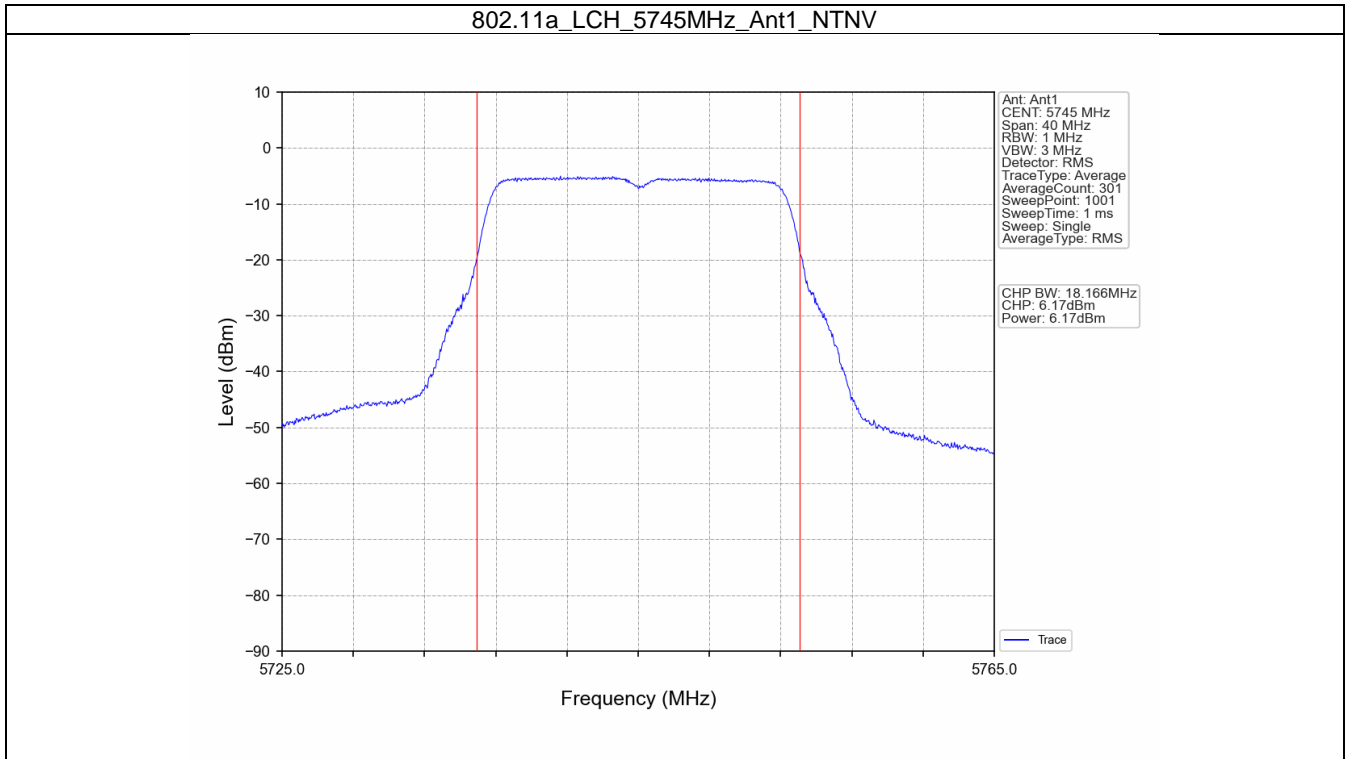
### 2.1 Power

#### 2.1.1 Test Result

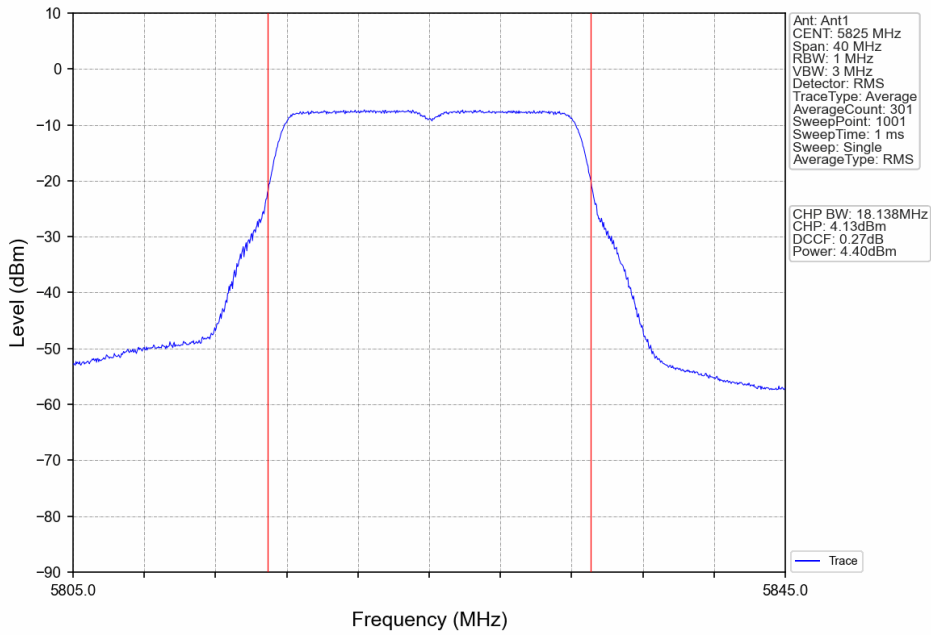
Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	6.17	<=30	Pass
		5785	5.23	<=30	Pass
		5825	4.40	<=30	Pass
802.11n (HT20)	SISO	5745	6.63	<=30	Pass
		5785	5.40	<=30	Pass
		5825	4.72	<=30	Pass
802.11n (HT40)	SISO	5755	5.72	<=30	Pass
		5795	4.99	<=30	Pass

Note1: Antenna Gain: Ant1: 4.85dBi;

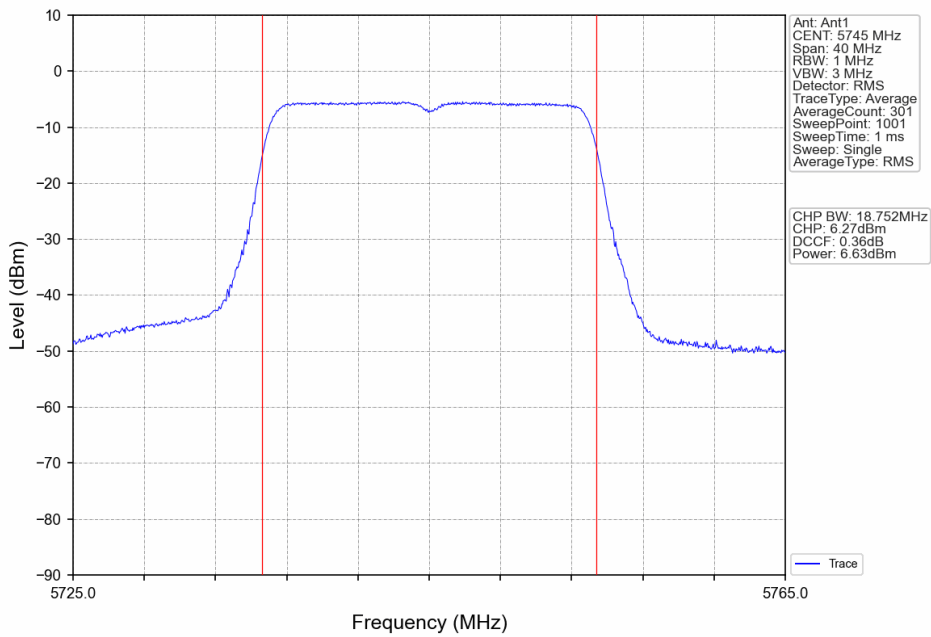
2.1.2 Test Graph



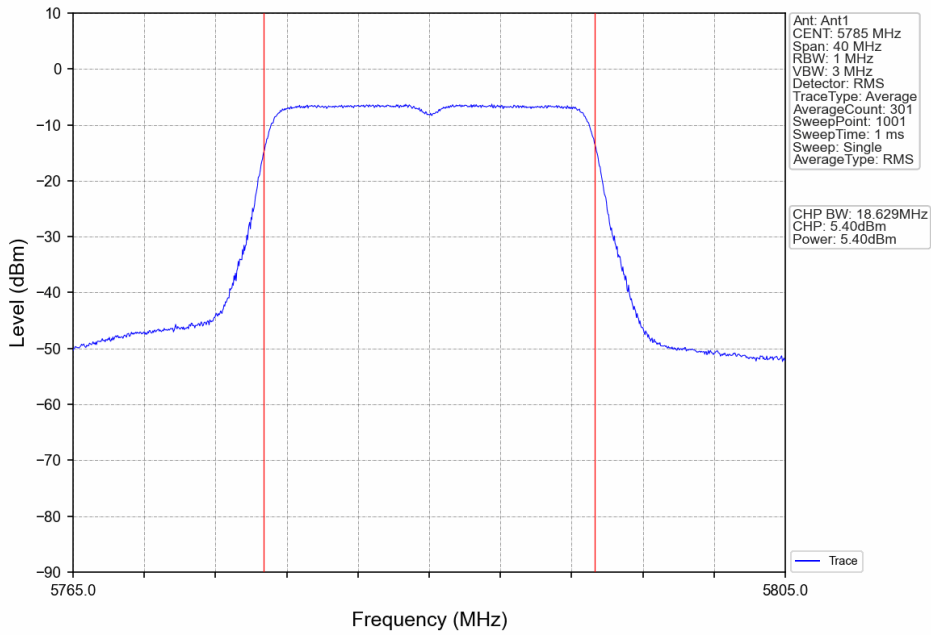
802.11a\_HCH\_5825MHz\_Ant1\_NTNV



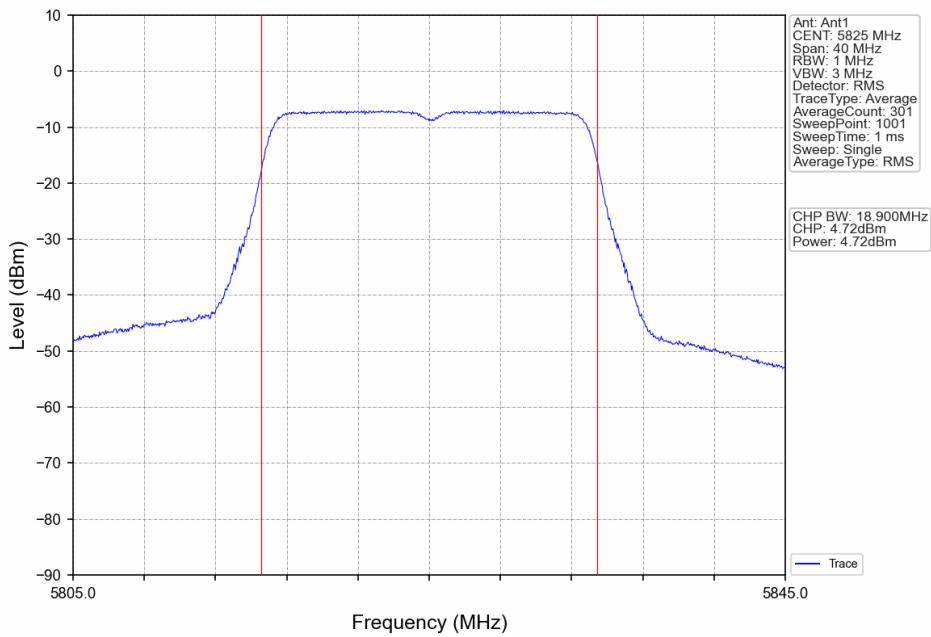
802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



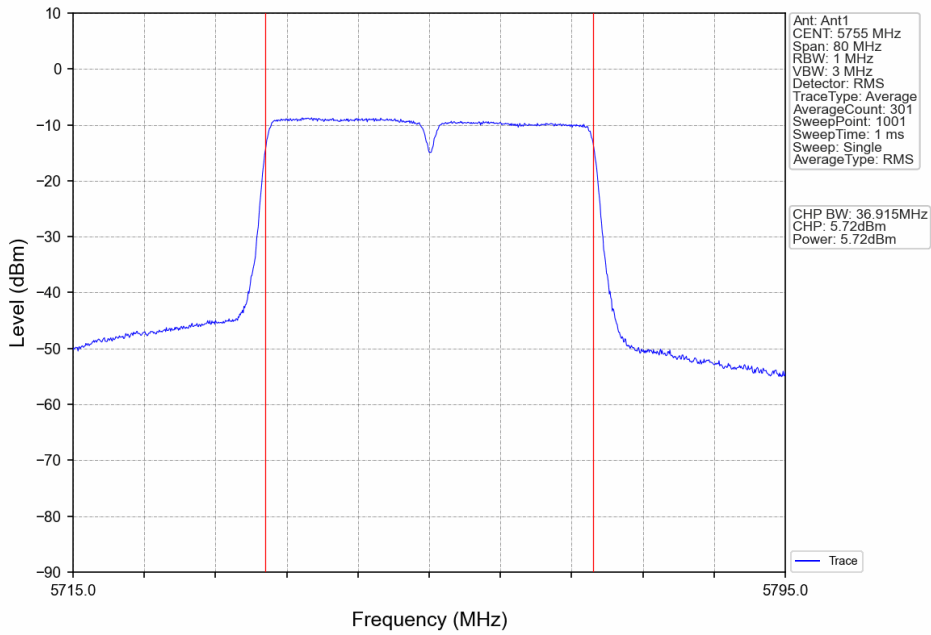
802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV



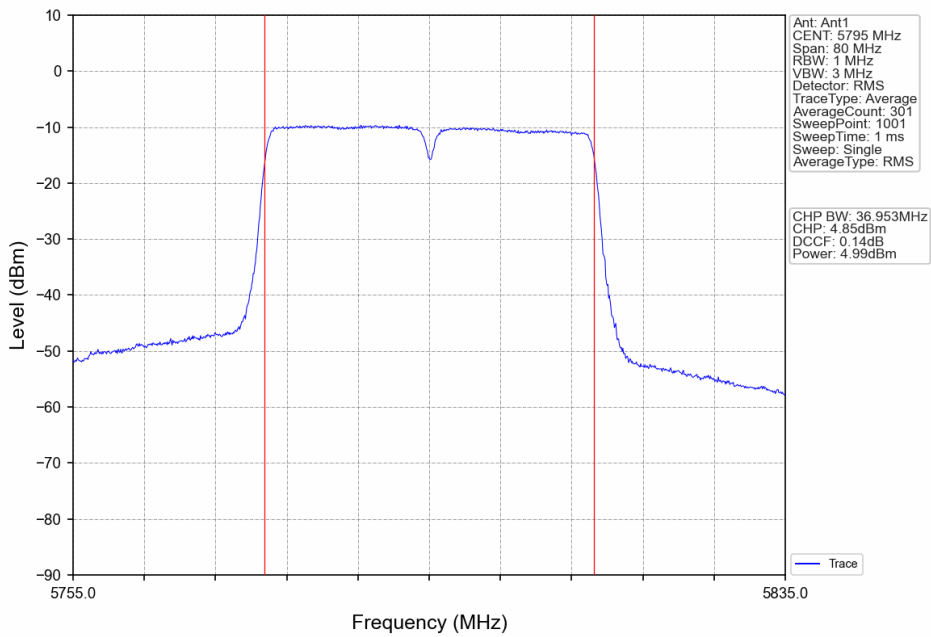
802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV



802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



### 3. Maximum Power Spectral Density

#### 3.1 PSD-Band3

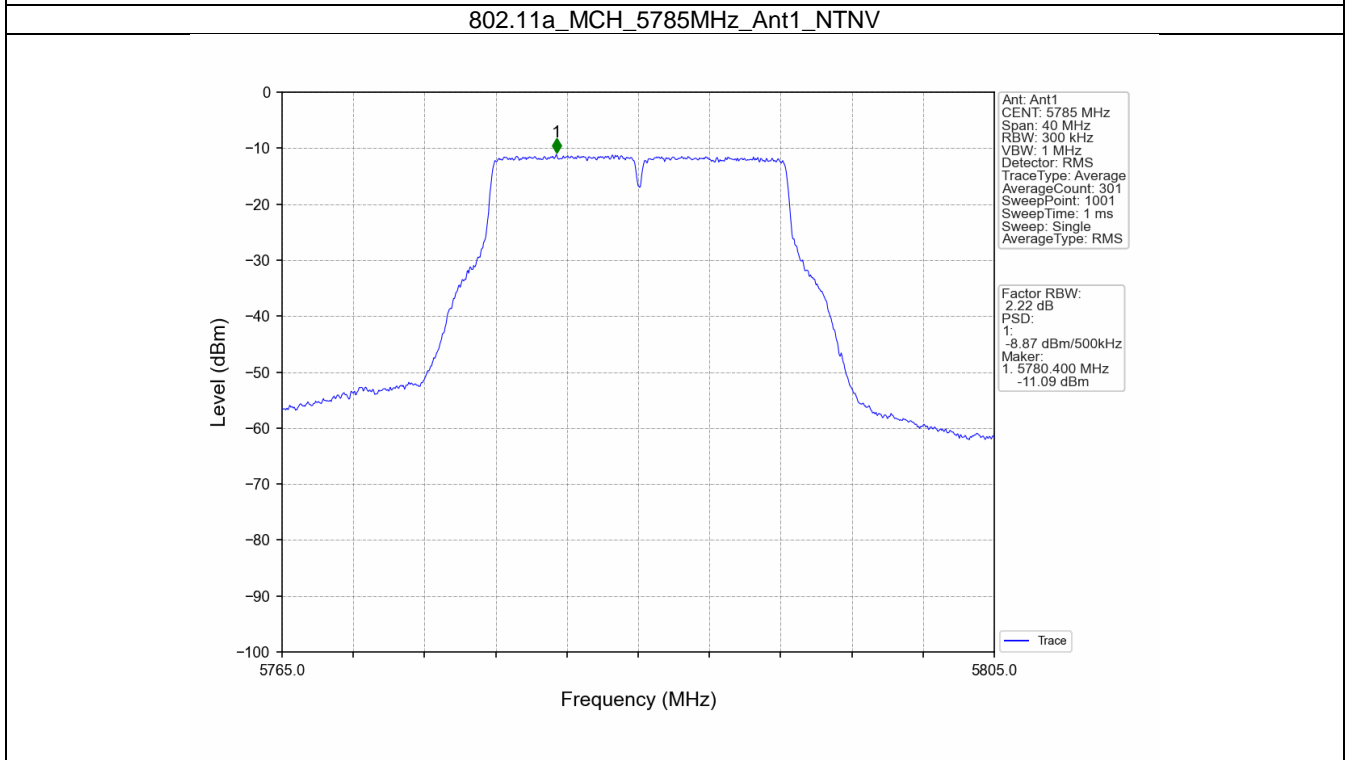
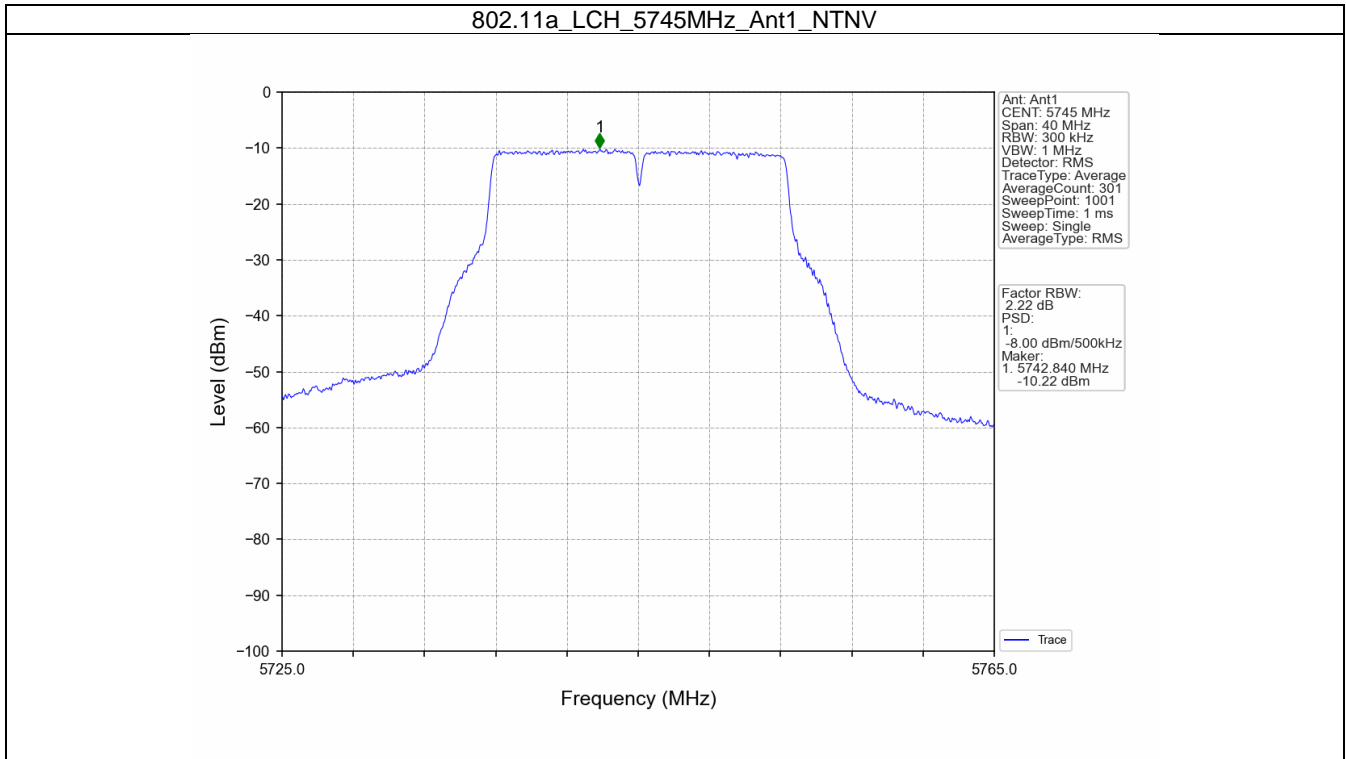
##### 3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	-8.00	<=30	Pass
		5785	-8.87	<=30	Pass
		5825	-10.00	<=30	Pass
802.11n (HT20)	SISO	5745	-7.98	<=30	Pass
		5785	-9.16	<=30	Pass
		5825	-9.80	<=30	Pass
802.11n (HT40)	SISO	5755	-11.45	<=30	Pass
		5795	-12.12	<=30	Pass

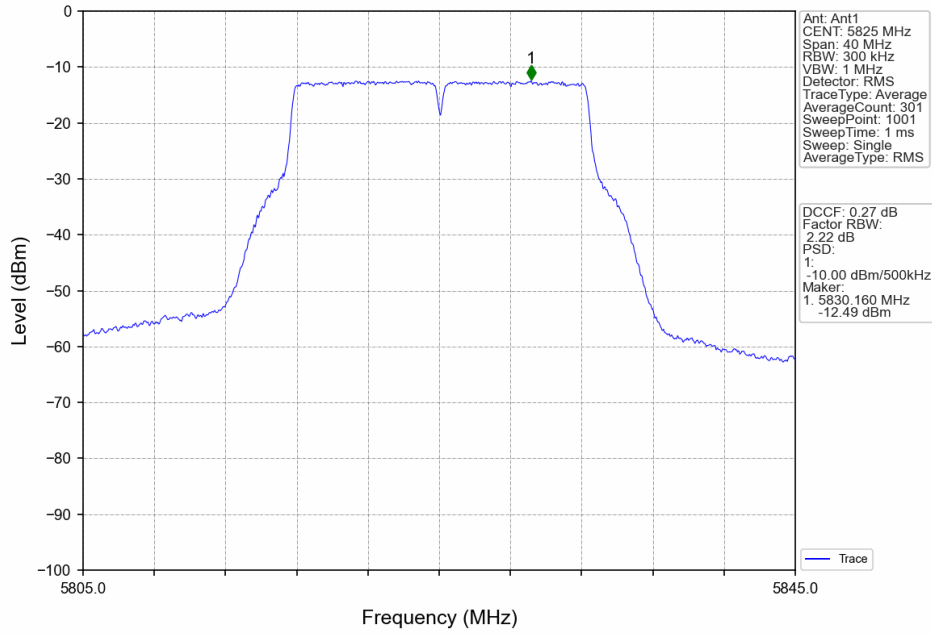
Note1: Antenna Gain: Ant1: 4.85dBi;



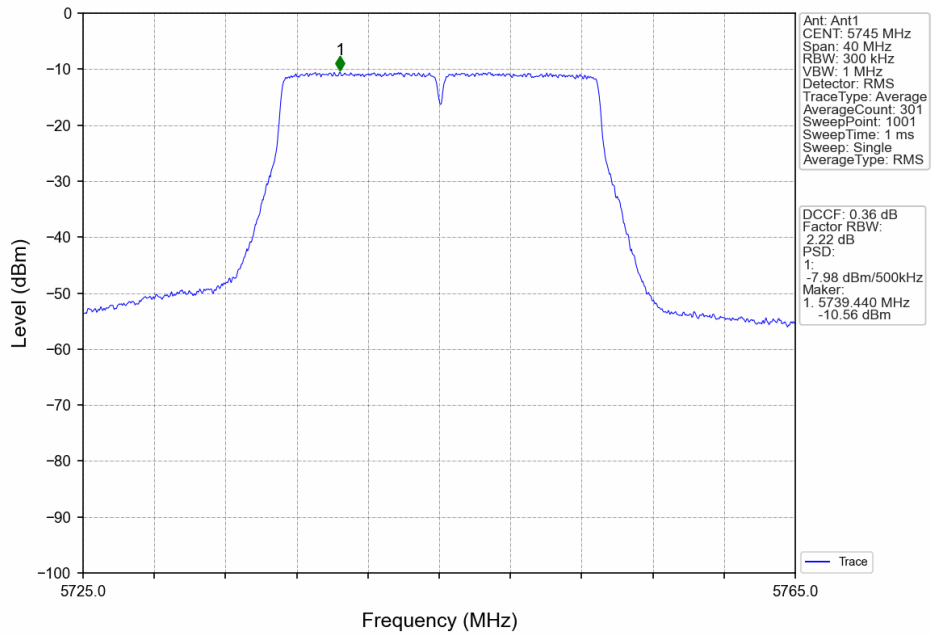
3.1.2 Test Graph



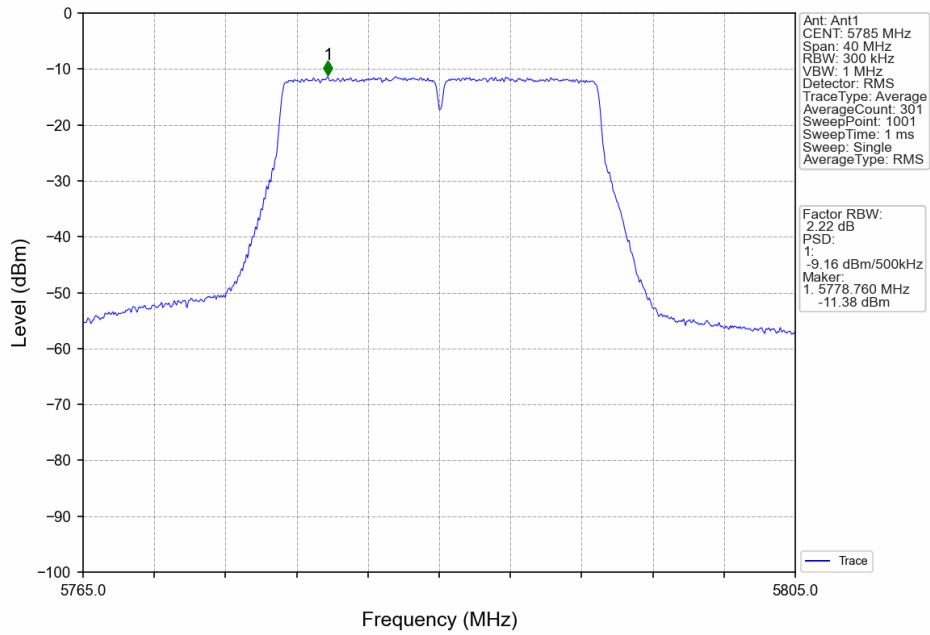
802.11a\_HCH\_5825MHz\_Ant1\_NTNV



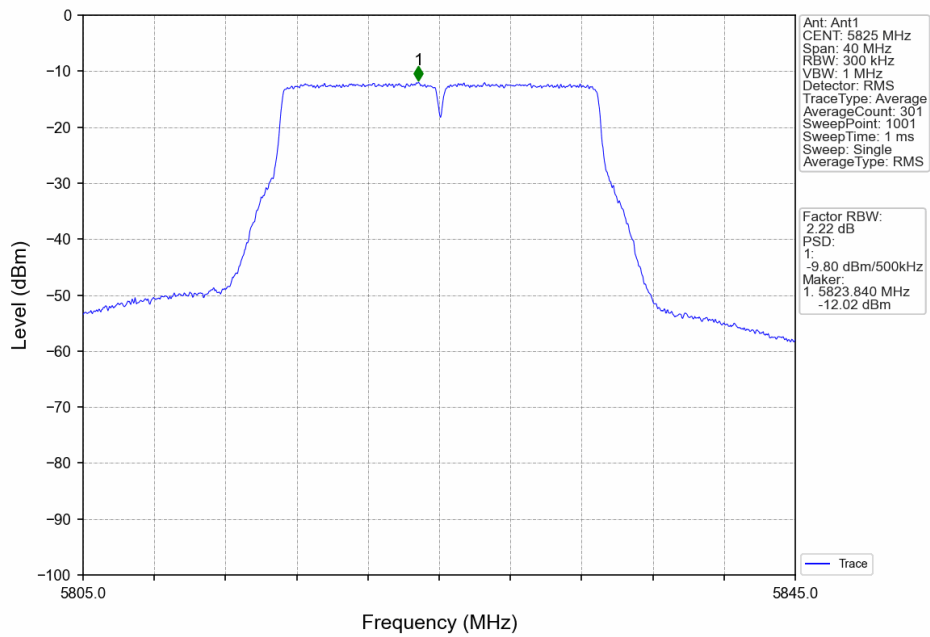
802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



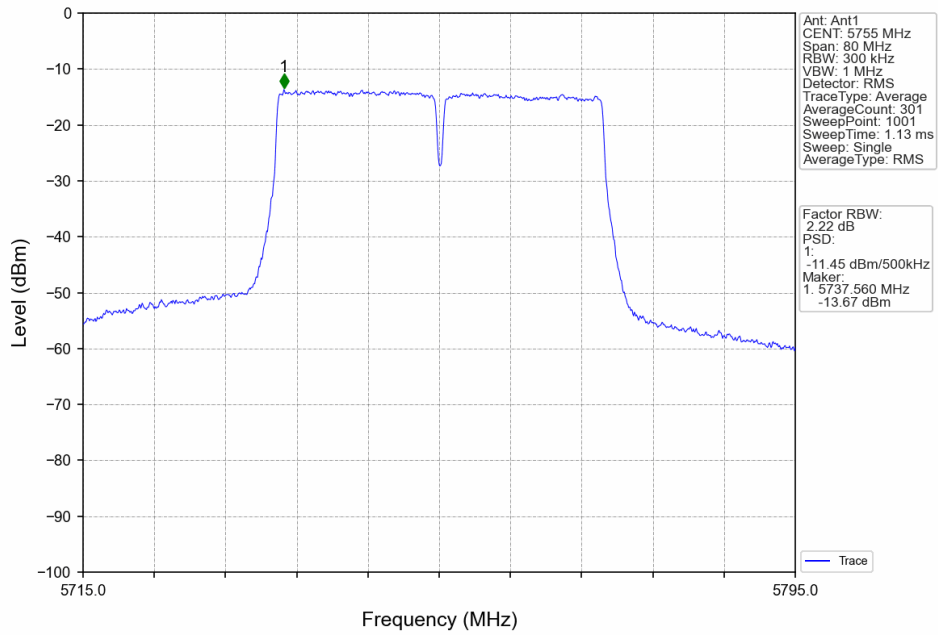
802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV



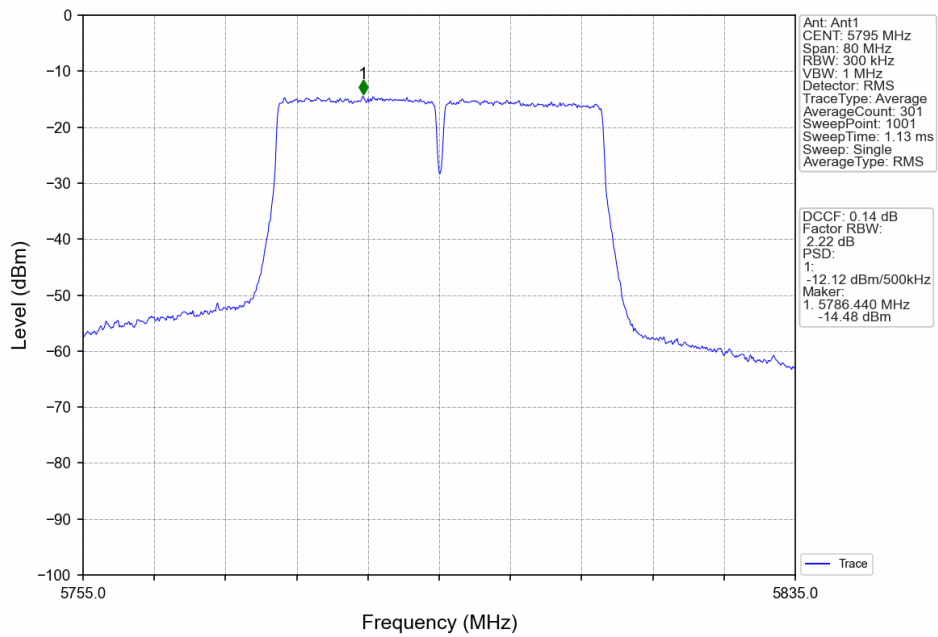
802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV



802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



### 4. Frequency Stability

#### 4.1 Ant1

##### 4.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
Carrier Wave	SISO	5745	20	102	5745.019	5725 to 5850	Pass
				120	5745.021	5725 to 5850	Pass
				138	5745.021	5725 to 5850	Pass
			-30	120	5745.020	5725 to 5850	Pass
			-20	120	5745.020	5725 to 5850	Pass
			-10	120	5745.020	5725 to 5850	Pass
			0	120	5745.020	5725 to 5850	Pass
			10	120	5745.020	5725 to 5850	Pass
			30	120	5745.020	5725 to 5850	Pass
		40	120	5745.019	5725 to 5850	Pass	
		50	120	5745.019	5725 to 5850	Pass	
		5785	20	102	5785.020	5725 to 5850	Pass
				120	5785.020	5725 to 5850	Pass
				138	5785.020	5725 to 5850	Pass
			-30	120	5785.020	5725 to 5850	Pass
			-20	120	5785.020	5725 to 5850	Pass
			-10	120	5785.019	5725 to 5850	Pass
			0	120	5785.019	5725 to 5850	Pass
			10	120	5785.019	5725 to 5850	Pass
			30	120	5785.019	5725 to 5850	Pass
		40	120	5785.019	5725 to 5850	Pass	
		50	120	5785.019	5725 to 5850	Pass	
		5825	20	102	5825.021	5725 to 5850	Pass
				120	5825.020	5725 to 5850	Pass
				138	5825.020	5725 to 5850	Pass
			-30	120	5825.020	5725 to 5850	Pass
			-20	120	5825.020	5725 to 5850	Pass
			-10	120	5825.020	5725 to 5850	Pass
			0	120	5825.020	5725 to 5850	Pass
			10	120	5825.020	5725 to 5850	Pass
			30	120	5825.020	5725 to 5850	Pass
		40	120	5825.020	5725 to 5850	Pass	
		50	120	5825.020	5725 to 5850	Pass	
		5755	20	102	5755.020	5725 to 5850	Pass
				120	5755.020	5725 to 5850	Pass
				138	5755.020	5725 to 5850	Pass
			-30	120	5755.020	5725 to 5850	Pass
			-20	120	5755.019	5725 to 5850	Pass
			-10	120	5755.019	5725 to 5850	Pass
			0	120	5755.019	5725 to 5850	Pass
			10	120	5755.019	5725 to 5850	Pass
			30	120	5755.019	5725 to 5850	Pass
		40	120	5755.019	5725 to 5850	Pass	
		50	120	5755.019	5725 to 5850	Pass	
		5795	20	102	5795.022	5725 to 5850	Pass
120	5795.021			5725 to 5850	Pass		
138	5795.021			5725 to 5850	Pass		
-30	120		5795.021	5725 to 5850	Pass		
-20	120		5795.020	5725 to 5850	Pass		

			-10	120	5795.020	5725 to 5850	Pass
			0	120	5795.020	5725 to 5850	Pass
			10	120	5795.020	5725 to 5850	Pass
			30	120	5795.020	5725 to 5850	Pass
			40	120	5795.020	5725 to 5850	Pass
			50	120	5795.020	5725 to 5850	Pass